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By: Lewis J. Kreiser
Lewis J. Kreiser
Reg. No. 38522

Date: 3/31/04

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	John C. Bell, et al.	Atty. Ref	18003-D2
Appl. No.:	10/743,649	Group Art Unit:	1645
Filed:	December 22, 2003	Examiner:	Robert A. Zeman
Title:	ONCOLYTIC VIRUS		

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March 31, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Sir:

INFORMATION DISCLOSURE STATEMENT

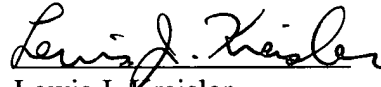
Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Examiner is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents are in the parent application serial number 09/664,444 and are therefore not being submitted with this Information Disclosure Statement.

This Communication is being filed within three months of the filing date or before the mailing of a first Office Action on the merits. Consideration of this Statement is respectfully requested.

Inventor(s): Bell, et al.
Application No.: 10/743,649
Page 2

It is believed that no fee is required in connection with the filing of this Statement. If any fee is required, the Commissioner is hereby authorized to charge the amount of such fee to Deposit Account No. 50-1677.

Respectfully submitted,


Lewis J. Kreisler
Reg. No. 38522
Attorney for Applicant(s)

930 Clopper Road
Gaithersburg, MD 20878
Phone: (240) 631-2500 x3276
Facsimile: (240) 683-3794



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

of 14

Complete if Known

Application Number	10/743,649
Filing Date	December 22, 2003
First Named Inventor	John C. Bell
Art Unit	1645
Examiner Name	Robert A. Zeman
Attorney Docket Number	18003-D2

U.S. PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 5,215,745	06-1993	Csatary, et al.	
		US- 5,273,745	12-1993	Schirmacher	
		US- 5,585,096	12-1993	Martuza, et al.	
		US- 5,602,023	12-1997	Csatary	
		US- 5,124,148	06-1992	Csatary, et al.	
		US- 5,677,178	10-1997	McCormick	
		US- 6,110,461	08-2000	Lee, et al.	
		US- 6,136,307	10-2000	Lee, et al.	
		US- 6,033,886	03-2000	Conzelmann	
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FOREIGN PATENT DOCUMENTS

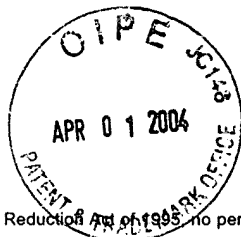
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 97/01358	01-1997			
		WO 97/04805	02-1997			
		WO 94/18992	09/1994			
		WO 99/08692	02-25-1999			
		WO 94/25627	11-1994			
		JP (A) 58-116422	07-1983			
		WO 93/18790	09-30-1993			
		WO 86/00811	02-13-1986			
		WO 86/00529	01-30-1986			
		WO 99/29343	06-17-1999			

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Sheet 2	of 14	Attorney Docket Number	18003-D2

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		WO 99/55345	11-04-1999			
		WO 00/45853	08-10-2000			
		EP 0 564 121 A2	10-06-1993			
		GB 1,069,144	05-17-1967			
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		WO 95/32706	12-07-1995			
		WO 89/07554	08-24-1989			

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				Attorney Docket Number	18003-D2
Sheet	3	of	14		

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		WO 00/54795	09-2000			
		WO 99/02657	01-1999			
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		WO 99/45783	09-1999			
		WO 96/34625	11-1996			
		WO 00/62735	10-2000			

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		First Named Inventor	John C. Bell
		Group Art Unit	1645
		Examiner Name	Robert A. Zeman
Sheet 4 of 14	Attorney Docket Number		18003-D2

NON PATENT PUBLICATIONS			
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		Kirn, et al., "Replicating Viruses as Selective Cancer Therapeutics", Molecular Medicine Today, pages 519-527, December 1996.	
		Heise, et al., "Onyx-015, an E1B gene-attenuated adenovirus, causes tumor-specific cytolysis and antitumoral efficacy that can be augmented by standard chemotherapeutic agents", Nature Medicine, Vol 3, No. 6, pages 639-645, June 1997.	
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		Katze, "Regulation of the interferon-induced PKR: can viruses cope?", Trends in Microbiology, Vol. 3, No. 2, pages 75-78, February 1995.	
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		Petricoin III, et al., "Human Cancer Cell Lines Express a Negative Transcriptional Regulator of the Interferon Regulatory Factor Family of DNA Binding Proteins", Molecular and Cellular Biology, Vol. 14, No. 2, pages 1477-1486, February 1994.	
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		Linge, et al., "Interferon System Defects in Human Malignant Melanoma", Cancer Research, Vol. 55, pages 4099-4104, September 15, 1995.	
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Sheet	5	of	14

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		Tanaka, et al., "Cellular Commitment to Oncogene-Induced Transformation or Apoptosis is Dependent on the Transcription Factor IRF-1", Cell, Vol. 77, pages 829-839, June 17, 1994.	
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		Haines, et al., "Correlation of the expression of double-stranded RNA-dependent protein kinase (p68) with differentiation in head and neck squamous cell carcinoma", Virchows Archiv B Cell Pathology, Vol. 63, pages 289-295, 1993	
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Sheet	6	of	14

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		Arroyo, et al., "Active specific immunotherapy with vaccinia colon oncolysate enhances the immunomodulatory and antitumor effects of interleukin-2 and interferon x in a murine hepatic metastasis model", Cancer Immunology Immunotherapy, Vol. 31, pages 305-311, 1990.	
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		Matthews, et al., "Adenovirus Virus-Associated RNA and Translation Control", Journal of Virology, Vol. 65, No. 11, pages 5657-5662, Nov. 1991.	
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		Csatary, et al., "Attenuated Veterinary Virus Vaccine for the Treatment of Cancer", Cancer Detection and Prevention, Vol 17, No. 6, pages 619-627, 1993.	
		Cassel, et al., "Newcastle Disease Virus as an Antineoplastic Agent", Cancer, Vol. 18, No. 7, pages 863-868, July 1965.	
		Schirmacher, et al. "Successful application of non-oncogenic viruses for antimetastatic cancer immunotherapy", Institut für Immunologic und Genetik am Deutschen Krebsforschungszentrum, 6900 Heidelberg, Germany, pages 19-49, March 13, 1986.	
		Lorence, et al., "Newcastle Disease Virus as an Antineoplastic Agent: Induction of Tumor Necrosis Factor- x and Augmentation of Its Cytotoxicity", Journal of the National Cancer Institute, Vol. 80, No. 16, pages 1305-1312, October 19, 1988.	

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		Reichard, et al., "Newcastle Disease Virus Selectively Kills Human Tumor Cells", Journal of Surgical Research, Vol 52, pages 448-453, 1992.	
		Eaton, et al., "Contribution of Antiviral Immunity to Oncolysis by Newcastle Disease Virus in a Murine Lymphoma", Journal of the National Cancer Institute, Vol. 39, No. 6, December 1967.	
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		Bart, et al., "Role of Interferon in the Anti-Melanoma Effects of Poly(I).Poly(C) and Newcastle Disease Virus", Nature New Biology, Vol. 245, No. 147, pages 229-230, October 24, 1973.	
		Sinkovics, et al., "New Developments in the Virus Therapy of Cancer: A Historical Review", Intervirology, Vol. 36, pages 193-214, 1993.	
		Murray, et al., "Viral Oncolysate in the Management of Malignant Melanoma", Cancer, Vol. 40, No. 2, pages 680-686, August 1977.	
		Cassel, "A Phase II Study on the Postsurgical Management of Stage Malignant Melanoma with a Newcastle Disease Virus Oncolysate", Cancer, Vol. 52, pages 856-860, September 1, 1983.	
		Cassel, "A Ten-Year Follow-Up on Stage II Malignant Melanoma Patients Treated Postsurgically with Newcastle Disease Virus Oncolysate", Med. Oncol. & Tumor Pharmacother., Vol. 9, No. 4, pages 169-171, 1992.	
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		Eaton, et al., "Autoimmunity Induced by Injection of Virus-Modified Cell Membrane Antigens in Syngeneic Mice", Infection and Immunity, Vol. 15, No. 1, pages 322-328, January 1977.	

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		Wheelock, et al, "Observation on the Repeated Administration of Viruses to a Patient with Acute Leukemia", The New England Journal of Medicine, Vol. 271, No. 13, pages 645-651, September 24, 1964.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/743,649
		Filing Date	December 22, 2003
		First Named Inventor	John C. Bell
		Group Art Unit	1645
		Examiner Name	Robert A. Zeman
		Attorney Docket Number	18003-D2
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Attorney Docket Number	18003-D2

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	Attorney Docket Number		18003-D2
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Group Art Unit	1645
Examiner Name	Robert A. Zeman
Attorney Docket Number	18003-D2

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		Csatary, et al., "Virus Vaccines for the Treatment of Cancer", Orvosi Hetilap, Vol. 131, pages 2585-2588, 1990.	
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